

HYDROPHOBIC LIGHT STABLE POLYURETHANE  
ELASTOMER WITH IMPROVED MECHANICAL PROPERTIES

ABSTRACT OF THE DISCLOSURE

A hydrophobic polyurethane elastomer is disclosed comprising an isocyanate terminated prepolymer having an isocyanate content ranging from 4 to 12 wt.% NCO comprising the reaction product of: i) an OH terminated homopolymer of butadiene having molecular weight ranging from 1000 to 4000 and an OH functionality of from 1.9 to 2.1; ii) an aliphatic or cycloaliphatic diisocyanate; and a diol chain extender having a molecular weight ranging from 62 to 400.

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